V7 Elite 2.5” Solid State Drive – 256GB

VBS3256GR-3E

Key Features

VBS3256GR-3E

- Unprecedented high-speed experience with SATA III 6 Gb/sec interface
- Read/write speed of 550/530 MB/sec and Random 4k Write IOPs of 90,000
- Maintain effective operation and extend life of the disk with full support of Windows TRIM Command
- Low power, light weight and durable with S.M.A.R.T support and the 100 G Shock Resistance
- Peak performance with MLC NAND Flash technology and SandForce® 2281 controller

Overview

V7 Elite Solid State Drive (SSD) is innovatively engineered to deliver industry-leading file transfer rates and superior system responsiveness, all while providing a more durable, reliable, and energy efficient storage solution compared to traditional hard disk drives. The latest SSD storage solution for servers, Ultrabooks™, laptops and desktop PCs is rugged, fast and quiet. Offering data read speeds up to 550 MB/sec, ideal for handling large amounts of data quickly that improves system responsiveness, extends notebook battery life and maximizes computer performance. The internal SSD operates silently and provides faster system boot-up, application launch and shutdown times. VBS3256GR-3E is S.M.A.R.T. capable and offers TRIM support, and has a 100G Shock Rating. All V7 Solid State Drives are backed by a 2-year limited warranty.

Specification

V7 Model #	VBS3256GR-3E
IM SKU #	J152424
EAN	0662919049428
Compatibility	Desktops and laptops (including ultrabook portables and netbooks) and worksatations
Compliance	CE/FCC/ROHS
Country of Origin	China
Data Encryption	128-bit AES-compliant, ATA Security Mode Features
Data Path Protection	BCH ECC up to 55 bits/512 Byte sector
Form Factor	2.5 Inch - Reduced 0.7mm thickness
Health Monitoring	Self-Monitoring, Analysis and Reporting Technology support (S.M.A.R.T.)
Interfaces/Port	SATA III, 6 Gb/sec (backwards compatible with SATA 2, 3 Gb/sec)
Nand Controller	Sandforce 2281
Nand Flash Component	1Xnm Asynchronous Multi-Level Cell (MLC) NAND Flash
Package dim. (L/W/H)	38 x 140 x 165 mm
Package Weight	226 g
Power Consumption	Idle:0.5W,Active:3.5W
Product dim. (L/W/H)	7 x 70 x 100 mm
Product Weight	89.8 g
Random 4K Read / Write IOPS	50,000 IOPS / 90,000 IOPS
Read/Write Speed	550 MB/sec / 530 MB/sec
Sequential Reads/Writes	450 MB/sec / 280 MB/sec
Storage Capacity	256 GB Capacity (240GB useable capacity IDEMA)
Warranty	2-Year Limited Warranty

The data in this publication is for illustration purposes only and does not necessarily represent standards or specifications which must be met by V7. Design and specifications are subject to change without prior notice. Trademarks belong to their respective owners. No responsibility assumed and all liability for damages resulting from use of this information or for any errors or omissions, are disclaimed. Measurement standards and testing conditions, as per manufacturer definitions, are available on request.